INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016581

A. CLASSIFICATION OF SUBJ			
Int.Cl ⁷ H01M4/02,	H01M4/38, H01M4/04	, H01M4/64, H01M2/26	
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01M4/02, H01M4/38, H01M4/04, H01M4/64, H01M2/26			
			1996-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho			1994-2004
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of	document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.
	2 A (Canon Inc.),		1-4,6-9,
ľ	ry, 1996 (20.02.96), Par Nos. [0038], [004		11-13,15 5
A [0059], [[0059], [0131]; Fig. 3 & EP 690517 A1 & US 6051340 A1		10,14,16-18
A 04 Octobe Claims	JP 2002-289178 A (Sanyo Electric Co., Ltd.), 04 October, 2002 (04.10.02), Claims & US 2002-168572 A1		1,2,15 3-14,16-18
Industria 25 July, Claims; P	<pre>JP 2003-208889 A (Matsushita Electric Industrial Co., Ltd.), 25 July, 2003 (25.07.03), Claims; Par Nos. [0010] to [0011] (Family: none)</pre>		
Further decuments are listed :	- the continue of Devi C		
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the interdate and not in conflict with the applica the principle or theory underlying the in	tion but cited to understand
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		"Y" document of particular relevance; the cl	aimed invention cannot be
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive si combined with one or more other such (tep when the document is documents, such combination
"P" document published prior to the international filing date but later than the		being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 16 December, 2004 (16.12.04)		Date of mailing of the international search 11 January, 2005 (1	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	